

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 34   | ("20020033862" "133069" "1284200" "6443555" "5986598" "5231131" "5753016" "6277184" "6426014" "20020033863" "0556649" "0194476").pn.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 11:54 |
| S2    | 35   | ("2002033862" "133069" "1284200" "6443555" "5986598" "5231131" "5753016" "6277184" "6426014" "20020033863" "0556649" "0194476").pn.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 15:50 |
| S3    | 2    | "2001232827"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 11:29 |
| S4    | 1    | 2001-658912.NRAN.  | DERWENT   | AND              | OFF     | 2006/02/28 11:29 |
| S5    | 1    | 1985-039639.NRAN.  | DERWENT   | AND              | OFF     | 2006/03/01 10:37 |
| S6    | 34   | ("20020033862" "1333069" "1284200" "6443555" "5986598" "5231131" "5753016" "6277184" "6426014" "20020033863" "0556649" "0194476").pn.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 15:43 |
| S7    | 136  | ink\$jet\$4 and (digital adj (signal\$1 or communication\$1)) and ((array or position or line) with (fixed or stationary)) and cyan and magenta and yellow | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 11:56 |
| S8    | 16   | ("20020033862" "1333069" "1284200").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 12:30 |
| S9    | 18   | ("6443555" "5986598" "5231131" "5753016" "6277184" "6426014" "20020033863" "0556649" "0194476").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/28 11:54 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S10 | 136 | ink\$jet\$4 and (digital adj (signal\$1 or communication\$1)) and ((array or position or line) with (fixed or stationary)) and ((paper or medium or media or substrate) and (ink or liquid)) and cyan and magenta and yellow  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 11:58 |
| S11 | 12  | ink\$jet\$4 and (digital adj (signal\$1 or communication\$1)) and ((array or position or line) with (fixed or stationary)) and ((paper or medium or media or substrate) and (ink or liquid)) and (cyan and magenta and yellow) same (weight or percentage or part\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 11:59 |
| S12 | 15  | AB9 and AR52 and AY23 and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 12:35 |
| S13 | 3   | AB9 and AR52 and AY23 and ink and viscosity and pl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 12:31 |
| S14 | 3   | AB9 and AR52 and AY23 and ink and pl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 12:31 |
| S15 | 12  | AB9 and AR52 and AY23 and ink and viscosity   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 12:31 |
| S16 | 2   | "20050231545"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:28 |
| S17 | 20  | 347/100 and (table same magenta same cyan same yellow same (pigment or dye or colorant) same (percent or weight\$2))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:34 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S18 | 97  | 347/100 and pl with ("1" or "1.5")                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:35 |
| S19 | 6   | 347/100 and pl with ("1" and "1.5")                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:36 |
| S20 | 33  | ink and pl near2 ("1" and "1.5")                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:39 |
| S21 | 1   | ink and pl near2 ("1" and "1.5") and<br>(fixed with array) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:37 |
| S22 | 20  | ink and pl near2 ("1" or "1.5") and<br>(fixed with array)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:37 |
| S23 | 20  | ink and pl near2 ("1" or "1.5") and<br>(fixed with array)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:37 |
| S24 | 684 | ink and pl same ("1" and "1.5")                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:41 |
| S25 | 85  | ink and pl same ("1" and "1.5")<br>same table              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:41 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S26 | 1      | ink and pl same ("1" and "1.5") same table and ((fix\$3 with array\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/01 09:57 |
| S27 | 3385   | "1" adj pl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:43 |
| S28 | 1      | ink and "1" adj pl and (fixed adj array)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:44 |
| S29 | 1      | ink and "1" adj (pl or picoliters) and (fixed adj array)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:44 |
| S30 | 1      | ink and "1" near1 (pl or picoliters) and (fixed adj array)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:44 |
| S31 | 470    | ink and "1" near1 (pl or picoliters) and array                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:46 |
| S32 | 64     | ink and ("1" and "1.5") with (pl or picoliters) and array               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:48 |
| S33 | 107980 | ink and (drop or droplet) wtih (pl or picoliters) and array             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:49 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S34 | 7      | S2 and (pico\$liter\$1 or pl)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:52 |
| S35 | 1      | "1.5" near1 (pico\$liter\$1 or pl) and (fixed with array) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:52 |
| S36 | 1492   | (pico\$liter\$1 or pl) and (fixed with array)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:53 |
| S37 | 165    | (pico\$liter\$1 or pl) and (fixed with array) and ink     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:53 |
| S38 | 23     | (pico\$liter\$1 or pl) and (fixed adj array) and ink      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:54 |
| S39 | 73     | "1.5" adj (pico\$liter\$1 or pl)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:54 |
| S40 | 507586 | "1.5" adj (pico\$liter\$1 or pl) adn ink                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:54 |
| S41 | 48     | "1.5" adj (pico\$liter\$1 or pl) and ink                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/28 15:56 |

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|     |      |                            |   |     |     |                  |
|-----|------|----------------------------|---|-----|-----|------------------|
| S42 | 2    | "20040263567"              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/02/28 15:56 |
| S43 | 2    | "20020033862"              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/01 10:13 |
| S44 | 2    | "20030107632"              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/01 10:45 |
| S45 | 8    | "5866638"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/01 10:24 |
| S46 | 4    | ("6350019" "6433555").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/01 10:25 |
| S47 | 0    | 347/100                    | DERWENT   | AND | OFF | 2006/03/01 10:37 |
| S48 | 1724 | 347/100                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/01 10:45 |
| S49 | 1    | 10/825252                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/09/22 12:14 |
| S50 | 25   | jackson.in. near christian | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/09/22 12:14 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S51 | 2   | "20030107632"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/02 12:25 |
| S52 | 20  | 347/100 and (table same magenta same cyan same yellow) same (dye or colorant) same (percent or weight\$2) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:22 |
| S53 | 16  | 347/100 and (table same magenta same cyan same yellow) same (dye) same (percent or weight\$2)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:25 |
| S54 | 87  | 347/100 and (table same magenta same cyan same yellow) same (dye)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:42 |
| S55 | 122 | (magenta and cyan and yellow) with (dye) with (percent near weight)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:30 |
| S56 | 24  | 347/100 and (magenta same cyan same yellow) same (dye) same (percent near weight)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:51 |
| S57 | 15  | 347/100 and (magenta same cyan same yellow) same (dye) same (percent near weight) and (dye with soluble)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/03 14:52 |
| S58 | 396 | (feed or fed) with (rate) same one near pass  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 13:50 |

## EAST Search History

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S59 | 30      | (feed or fed) with (rate) same one near pass same (head or print\$head or pagewidth or linetype)\ | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 13:51 |
| S60 | 30      | (feed or fed) with (rate) same one near pass same (head or print\$head or pagewidth or linetype)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:06 |
| S61 | 82      | (feed or fed) with (rate) with (media or medium or paper) and (page\$1width or line\$1type)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:08 |
| S62 | 2802455 | "15.24" near (M\$1s) adn rate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:08 |
| S63 | 3       | "15.24" near (M\$1s) and rate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:11 |
| S64 | 0       | "15.24" near (M\$1s) and rate and (print\$3 or ink\$jet\$4)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:09 |
| S65 | 213     | "6" near in\$1s and rate and (print\$3 or ink\$jet\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:12 |
| S66 | 4       | "6" near in\$1s with rate and (print\$3 or ink\$jet\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:11 |



## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S67 | 6   | "15.24" near (cM\$1s) and rate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:11 |
| S68 | 1   | ("6" near in\$1s with (feed or fed or feed\$3) with rate) and (print\$3 or ink\$jet\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:14 |
| S69 | 2   | ("6" near in\$1s with (feed or fed or feed\$3) with (rate or speed or velocity)) and (print\$3 or ink\$jet\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:17 |
| S70 | 244 | (in\$1s with (feed or fed or feed\$3) with (rate or speed or velocity)) and (print\$3 or ink\$jet\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:41 |
| S71 | 41  | (in\$1s with (feed or fed or feed\$3) with (rate or speed or velocity)) and (page\$width or line\$type) and "347"/\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:19 |
| S72 | 42  | ((in\$1s or cm\$1/s) with (feed or fed or feed\$3) with (rate or speed or velocity)) and (page\$width or line\$type) and "347"/\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:21 |
| S73 | 47  | ((in\$1s or cm\$1/s) with (feed or fed or feed\$3 or mov\$3 or enter\$3 or pass\$3) with (rate or speed or velocity)) and (page\$width or line\$type) and "347"/\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:31 |
| S74 | 1   | 10/825252   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:32 |

## EAST Search History

|     |   |               |   |    |     |                  |
|-----|---|---------------|---|----|-----|------------------|
| S75 | 2 | "6443555".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:48 |
| S76 | 3 | "11317928"    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:48 |
| S77 | 1 | "11/317928"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/10 14:48 |